

# Morbidity and Mortality

Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JULY 4, 1964

## PARALYTIC POLIOMYELITIS

Only two cases of paralytic poliomyelitis were reported for the week ended July 4. To date, 44 cases of poliomyelitis, 32 paralytic, have been reported during 1964. During the first 27 weeks in 1963, 103 cases, 86 paralytic, were recorded.

That only two cases were reported this week is particularly of note since the early weeks of July are customarily associated with a sharp increase in incidence of the disease.

To date there has been no apparent geographic localization of cases.

### Polio (cumulated weekly) through 27th Week for Five Years

	1964	1963	1962	1961	1960	1959
Paralytic	32	86	175	162	385	801
Total	44	103	227	249	518	1199

	Polio (annual total)				
Paralytic	379*	762	988	2525	6289
Total	443*	910	1312	3190	8425

\* Provisional

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	27th Week Ended		Median 1959 - 1963	Cumulative, First 27 Weeks		Median 1959 - 1963
	July 4, 1964	July 6, 1963		1964	1963	
Aseptic meningitis .....	33	29	---	794	659	---
Brucellosis .....	7	5	8	200	174	289
Diphtheria .....	-	5	5	137	141	314
Encephalitis, primary infectious ..	31	35	---	973	817	---
Encephalitis, post-infectious ..	24	35	---	550	817	---
Hepatitis, infectious including serum hepatitis .....	541	519	519	21,980	24,185	24,187
Measles .....	4,669	4,614	6,087	418,457	339,840	365,760
Meningococcal infections .....	34	28	28	1,572	1,476	1,366
Poliomyelitis, Total .....	2	21	21	44	103	249
Paralytic .....	2	16	16	32	86	175
Nonparalytic .....	-	5	---	9	10	---
Unspecified .....	-	-	---	3	7	---
Streptococcal Sore Throat and Scarlet fever .....	3,917	3,391	---	255,302	218,283	---
Tetanus .....	5	6	---	128	121	---
Tularemia .....	11	9	---	154	131	---
Typhoid fever .....	14	9	19	196	192	311
Rabies in Animals .....	78	53	70	2,474	2,097	2,095

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: Wisc-1	18
Botulism:	10	Rabies in Man:	-
Leptospirosis:	20	Smallpox:	-
Malaria:	44	Typhus-	-
Plague:	-	Murine: Ala-1, Fla-1	11
		Rky Mt. Spotted: NJ-1, Ill-1, Ark-1, Ohio-1, Va-1,	68
		Tenn-1	

Figures for current week exclude missing report from Hawaii.

## EPIDEMIOLOGICAL REPORT

## CLOSTRIDIUM PERFRINGES OUTBREAK - Washington

In January 1964, approximately 300 students at a Washington college developed mild gastroenteritis following a noon meal at the college dining room. The predominant symptoms were diarrhea, abdominal cramps, headache and nausea. Lamb stew contaminated with *Clostridium perfringens* was incriminated epidemiologically.

Among 110 students for whom clinical histories were available, diarrhea and abdominal cramps were the principal symptoms.

Symptom	No. of Students With Symptom	Per cent of Total
1. Diarrhea	90	82
2. Abdominal cramps	83	75
3. Headache	44	40
4. Nausea	36	33
5. Fever	9	8
6. Bloody stools	8	7
7. Vomiting	7	6

The illness lasted less than 12 hours in 50 percent and less than 24 hours in 85 percent.

The abrupt onset of the epidemic (see figure) in the early afternoon of January 17 and its termination by the evening of January 18 clearly pointed to common-source transmission. The illness was widespread in all dormitories and also present among a group of students commuting to the campus only 2 days each week. These students customarily arrived after breakfast and departed before supper, consuming only their noon meals on the campus. They had been on campus on January 16 and 17. The frequency of illness among these students by meals consumed is shown below:

	Ate	No. III	Did not Eat	No. III
Jan. 16	Breakfast	0	0	60
	Lunch	12	4	48
	Supper	1	0	59
Jan. 17	Breakfast	0	0	60
	Lunch	33	18	37

Food histories for the January 17 noon meal clearly pointed to lamb stew pie as the responsible vehicle. A portion of the analysis by individual foods served is shown above right:

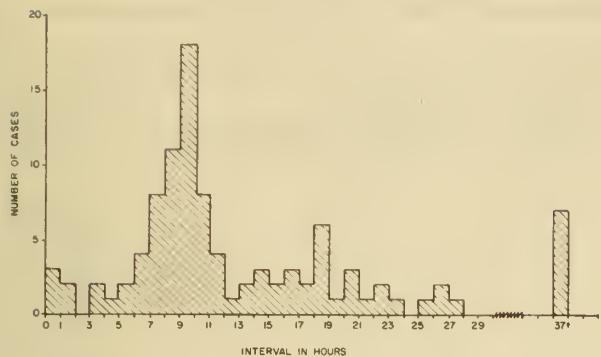
	Consumed Food			Did not Consume Food		
	No.	III	Attack Rate (%)	No.	III	Attack Rate (%)
Fish chowder	52	16	31	242	90	37
Lamb stew pie	153	97	63	141	10	7
Tuna casserole	69	12	17	224	95	42
Jello salad	112	57	51	160	43	27
Fruit salad	71	32	45	197	66	33

Interview of the cooks revealed that the lamb stew was prepared from 415 pounds of lamb shoulder purchased on January 8. The lamb was kept at 40°F., in a walk-in refrigerator until the early afternoon of January 16 when it was roasted and served for dinner that evening. Since very few students ate the lamb roast for dinner, the remainder was returned to the refrigerator. The length of time the roast remained at room temperature prior to cooking and the temperature of the refrigerator at this time are unknown. The refrigerator which was usually kept at 40°F., had a temperature of 47°F., on inspection on January 21. The following morning the roast was removed from the refrigerator and was cut into pieces, reheated and added to a mixture of a commercial dehydrated gravy, onions, celery, carrots and dehydrated potatoes which had been boiled in a caldron for fifteen minutes. The resultant stew was then dipped from the caldron into bowls and carried on trays to the serving lines.

Immediately on notification of the outbreak, the Spokane County Health Department had visited the cafeteria and obtained samples of remaining food for culture. *C. perfringens* was isolated from an aerobic culture of the lamb stew. No organisms of significance were obtained from eleven other foodstuffs. The *C. perfringens* was typed at CDC as Type A, the type associated with food poisoning.

(Reported by Dr. Ernest Ager, Chief, Division of Epidemiology, State Department of Health, Olympia, Washington, and Dr. E. O. Ploeger, Spokane County Health Officer.)

OUTBREAK OF CLOSTRIDIUM PERFRINGENS  
CASES BY INTERVAL FROM MEAL TO ILLNESS  
STATE OF WASHINGTON, JANUARY 1964



REPORTED IMPORTED CASES OF DENGUE FEVER  
U.S.A. - 1963-64

State Reporting	Age	Sex	Dates of Visit	Date of Onset
<b>Puerto Rico *</b>				
N.Y.	27	F	8/11-18	8/19
N.Y.	38	F	8/8-15	8/23
N.Y.	33	M	8/11-21	8/25
Flo.	28	F	8/13-9/2	9/1
Conn.	Unk.	M	? -8/29	9/1
III.	Unk.	M	? -9/5	9/5
N.Y.	13	M	7/13-8/30	9/6
Minn.	21	M	6/1-9/8	9/9
Flo.	42	M	1/5-11	1/20/64
Go.	44	M	2/12-2/21	2/25/64
N.Y.	40	M	10/2-?	Unk.

EPIDEMIOLOGICAL SUMMARY

DENGUE FEVER - U.S.A.

A total of 28 imported cases of dengue fever was reported by eight States during the latter part of 1963 and early 1964 in individuals who acquired the disease while in the Caribbean.

Eleven of the cases appear to have been acquired in Puerto Rico, 10 in Jamaica, 3 in the Virgin Islands and one in Antigua. One of the patients had visited both Puerto Rico and the Virgin Islands. Nine of the Jamaican cases occurred among members of two families.

The majority of the cases had dates of onset in July, August and September when cases were frequently reported in Jamaica and Puerto Rico. No imported cases have been reported with onsets later than March.

Of the cases for which clinical data are available, all experienced fever, ranging from 101° to 106°, headache, orbital and muscle pain. Nineteen of 24 manifested a rash. Serological confirmation was available for 14 of the cases. All recovered without known sequelae.

Without question the 28 cases reported represent but a fraction of the actual number which have occurred in the United States. Many undoubtedly have not been recognized as dengue even among those who sought medical attention. The absence of reports of imported cases over the past four months suggests that the dengue incidence has abated in the principal Caribbean tourist areas. This is substantiated by reports from these areas.

Virgin Islands \*

Moss.	Unk.	F	10/31-11/10	11/15
Moss.	Unk.	F	10/31-11/10	11/15
N.Y.	32	F	12/21-1/3	1/4/64

Puerto Rico and  
Virgin Islands \*

Flo.	58	F	? -2/1	2/5/64
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Jomoico\*

Mich.	7	F	? -7/12	7/14
Mich.	36	F	? -7/12	7/19
Mich.	11	M	? -7/12	7/21
Mich.	7	M	? -7/12	7/22
Minn.	36	F	7/24-8/6	8/1
Minn.	14	F	7/24-8/6	8/1
Minn.	12	M	7/24-8/6	8/1
Minn.	5	F	7/24-8/6	8/1
Minn.	37	M	7/24-8/6	8/9
N.Y.	21	F	7/4-8/25	8/27

Antigua\*

Ohio	58	F	2/26-3/1	3/12/64
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Unknown\*

N.Y.	-	-	-	-
N.Y.	-	-	-	-

\*Island Visited

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JULY 4, 1964 AND JULY 6, 1963 (27TH WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
			Primary	Post-Inf.								
	1964	1963	1964	1964	1964	1963	Cumulative 1964	1963	1964	1963	1964	1963
UNITED STATES...	33	29	31	24	2	21	44	103	2	16	32	86
NEW ENGLAND...	-	-	1	2	-	-	-	1	-	-	-	1
Maine.....	-	-	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	2	-	-	-	-	-	-	-	-
Connecticut.....	-	-	1	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	7	-	11	5	-	15	5	29	-	11	5	22
New York City.....	-	-	1	-	-	-	1	-	-	-	1	-
New York, Up-State.....	4	-	2	-	-	-	2	5	-	-	2	5
New Jersey.....	2	-	3	-	-	-	2	-	-	-	2	-
Pennsylvania.....	1	-	5	5	-	15	-	24	-	11	-	17
EAST NORTH CENTRAL...	5	6	8	5	2	-	6	18	2	-	5	14
Ohio.....	-	3	8	-	-	-	2	5	-	-	2	3
Indiana.....	-	-	-	-	-	-	-	2	-	-	-	1
Illinois.....	1	-	-	5	2	-	3	7	2	-	3	6
Michigan.....	4	2	-	-	-	-	1	3	-	-	-	3
Wisconsin.....	-	1	-	-	-	-	-	1	-	-	-	1
WEST NORTH CENTRAL...	2	4	-	-	-	-	2	2	-	-	1	2
Minnesota.....	2	3	-	-	-	-	-	2	-	-	-	2
Iowa.....	-	1	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	2	-	-	-	1	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	3	6	-	-	-	18	12	-	-	13	9
Delaware.....	-	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	1	-	-	-	1	-
Dist. of Columbia.....	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	2	1	-	-	-	-	2	-	-	-	1
West Virginia.....	1	-	-	1	-	-	1	1	-	-	1	1
North Carolina.....	-	-	-	-	-	-	8	3	-	-	4	3
South Carolina.....	-	-	-	-	-	-	2	2	-	-	2	1
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	-	-	4	-	-	-	5	3	-	-	4	3
EAST SOUTH CENTRAL...	2	1	-	2	-	5	4	11	-	4	2	9
Kentucky.....	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	1	-	2	-	-	2	2	-	-	1	2
Alabama.....	2	-	-	-	-	5	2	8	-	4	1	6
Mississippi.....	-	-	-	-	-	-	-	1	-	-	-	1
WEST SOUTH CENTRAL...	-	4	3	-	-	-	2	15	-	-	2	15
Arkansas.....	-	-	1	-	-	-	-	1	-	-	-	1
Louisiana.....	-	-	2	-	-	-	-	12	-	-	-	12
Oklahoma.....	-	-	-	-	-	-	1	-	-	-	1	-
Texas.....	-	4	-	-	-	-	1	2	-	-	1	2
MOUNTAIN.....	3	1	-	-	-	-	6	1	-	-	3	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	2	1	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	3	-	-	-	-	-
Arizona.....	1	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	13	10	2	10	-	1	1	14	-	1	1	13
Washington.....	-	-	1	1	-	-	-	1	-	-	-	1
Oregon.....	1	-	-	3	-	-	1	1	-	-	1	1
California.....	12	10	1	6	-	1	-	12	-	1	-	11
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	4	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JULY 4, 1964 AND JULY 6, 1963 (27TH WEEK) - CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis					Typhoid Fever		
	1964	Cum. 1964	1964	Cum. 1964	Total 1964	Under 20 years 1964	20 years and over 1964	Age Unknown 1964	Cumulative		1964	Cum. 1964
									1964	1963		
UNITED STATES...	7	200	-	137	541	218	278	45	21,980	24,185	14	196
NEW ENGLAND...	-	2	-	42	29	7	20	2	2,199	2,633	1	11
Maine.....	-	-	-	39	2	2	-	-	725	1,224	-	-
New Hampshire.....	-	-	-	-	3	-	3	-	159	195	-	-
Vermont.....	-	-	-	-	5	1	3	1	274	33	-	-
Massachusetts.....	-	2	-	3	13	2	10	1	459	773	-	5
Rhode Island.....	-	-	-	-	4	2	2	-	120	59	-	5
Connecticut.....	-	-	-	-	2	-	2	-	462	349	1	1
MIDDLE ATLANTIC...	-	3	-	5	106	44	62	-	4,981	4,602	-	20
New York City.....	-	-	-	1	13	2	11	-	725	645	-	12
New York, Up-State.....	-	1	-	-	50	28	22	-	2,248	2,056	-	7
New Jersey.....	-	-	-	2	23	3	20	-	895	702	-	1
Pennsylvania.....	-	2	-	2	20	11	9	-	1,113	1,199	-	10
EAST NORTH CENTRAL...	1	25	-	6	81	34	39	8	3,327	3,940	4	48
Ohio.....	-	1	-	-	33	12	17	4	888	1,100	1	23
Indiana.....	-	1	-	-	10	6	3	1	299	372	1	9
Illinois.....	-	15	-	6	17	8	8	1	561	845	1	7
Michigan.....	1	4	-	-	19	8	11	-	1,341	1,445	1	7
Wisconsin.....	-	4	-	-	2	-	-	2	238	178	-	2
WEST NORTH CENTRAL...	5	94	-	21	26	14	12	-	1,219	1,120	-	16
Minnesota.....	2	5	-	11	2	1	1	-	111	181	-	1
Iowa.....	2	55	-	-	1	-	-	-	175	205	-	3
Missouri.....	1	7	-	-	10	8	2	-	314	433	-	6
North Dakota.....	-	2	-	2	-	-	-	-	45	29	-	2
South Dakota.....	-	12	-	1	-	-	-	-	105	53	-	1
Nebraska.....	-	11	-	-	1	-	1	-	29	81	-	-
Kansas.....	-	2	-	7	12	5	7	-	440	138	-	3
SOUTH ATLANTIC...	1	19	-	28	47	20	25	2	2,082	2,518	5	42
Delaware.....	-	-	-	-	-	-	-	41	35	-	-	-
Maryland.....	-	-	-	-	12	6	6	-	407	294	1	2
Dist. of Columbia.....	-	-	-	-	1	-	1	-	33	70	-	-
Virginia.....	1	8	-	-	11	4	7	-	312	540	-	9
West Virginia.....	-	-	-	-	4	3	1	-	336	400	-	-
North Carolina.....	-	2	-	-	4	4	-	-	379	629	-	12
South Carolina.....	-	-	-	4	-	-	-	-	71	101	1	4
Georgia.....	-	6	-	20	1	-	1	-	48	108	-	1
Florida.....	-	3	-	4	14	3	9	2	455	341	3	14
EAST SOUTH CENTRAL...	-	10	-	5	55	16	35	4	1,514	2,456	1	21
Kentucky.....	-	3	-	-	14	5	5	4	621	709	-	6
Tennessee.....	-	3	-	1	8	3	5	-	521	978	-	8
Alabama.....	-	3	-	2	31	6	25	-	246	374	1	5
Mississippi.....	-	1	-	2	2	2	-	-	126	395	-	2
WEST SOUTH CENTRAL...	-	18	-	17	32	20	12	-	1,626	1,621	1	11
Arkansas.....	-	4	-	-	2	1	1	-	173	176	-	4
Louisiana.....	-	1	-	5	9	7	2	-	372	306	1	3
Oklahoma.....	-	2	-	-	3	2	1	-	87	83	-	3
Texas.....	-	11	-	12	18	10	8	-	994	1,056	-	1
MOUNTAIN.....	-	16	-	1	39	3	9	27	1,375	1,607	1	4
Montana.....	-	-	-	-	5	1	4	-	124	222	-	-
Idaho.....	-	-	-	-	2	-	-	2	146	253	-	-
Wyoming.....	-	-	-	-	-	-	-	-	45	22	-	-
Colorado.....	-	-	-	-	16	1	1	14	393	342	-	-
New Mexico.....	-	1	-	1	2	1	1	-	193	192	-	-
Arizona.....	-	1	-	-	11	-	-	11	312	381	1	4
Utah.....	-	13	-	-	3	-	3	-	121	185	-	-
Nevada.....	-	1	-	-	-	-	-	-	41	10	-	-
PACIFIC.....	-	13	-	12	126	60	64	2	3,657	3,688	1	13
Washington.....	-	-	-	11	24	10	13	1	423	636	-	1
Oregon.....	-	1	-	-	13	4	9	-	404	479	-	-
California.....	-	12	-	1	87	45	42	-	2,645	2,483	1	12
Alaska.....	-	-	-	-	2	1	-	1	115	65	-	-
Hawaii.....	-	-	-	-	---	---	---	---	70	25	-	-
Puerto Rico	-	-	2	7	10	6	4	-	422	409	-	9

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JULY 4, 1964 AND JULY 6, 1963 (27TH WEEK) - CONTINUED

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals		
		Cumulative		1964	1963	1964	1963	Cum.		1964	1964	1964	1964
		1964	1964					1964	1964				
UNITED STATES...	4,669	34	1,572	1,476	3,917	3,391	5	128	11	154	78	2,474	
NEW ENGLAND.....	276	3	46	91	417	323	1	5	-	-	2	15	
Maine.....	48	-	5	15	15	42	-	-	-	-	2	13	
New Hampshire.....	4	1	1	4	-	4	-	-	-	-	-	1	
Vermont.....	27	-	1	3	17	-	-	-	-	-	-	1	
Massachusetts.....	132	-	19	42	33	49	1	5	-	-	-	-	
Rhode Island.....	23	2	7	9	62	16	-	-	-	-	-	-	
Connecticut.....	42	-	13	18	290	212	-	-	-	-	-	-	
MIDDLE ATLANTIC.....	789	2	196	202	219	134	1	9	-	-	2	67	
New York City.....	233	1	27	30	8	15	-	-	-	-	-	-	
New York, Up-State.....	352	-	54	65	190	87	-	2	-	-	2	64	
New Jersey.....	161	1	69	27	13	6	1	5	-	-	-	-	
Pennsylvania.....	43	-	46	80	8	26	-	2	-	-	-	3	
EAST NORTH CENTRAL.....	957	3	223	238	438	226	1	20	1	13	1	338	
Ohio.....	174	1	61	68	41	26	-	3	-	1	1	179	
Indiana.....	199	-	34	29	88	22	1	3	-	1	-	17	
Illinois.....	159	-	54	43	36	59	-	7	-	8	-	75	
Michigan.....	203	2	49	71	171	84	-	6	-	1	-	29	
Wisconsin.....	222	-	25	27	102	35	-	1	1	2	-	38	
WEST NORTH CENTRAL.....	330	1	97	89	121	105	-	7	3	32	32	801	
Minnesota.....	1	-	22	18	5	6	-	1	-	1	9	241	
Iowa.....	29	-	6	5	26	20	-	2	-	1	14	287	
Missouri.....	162	-	48	30	2	1	-	2	1	19	3	126	
North Dakota.....	136	1	10	4	69	73	-	-	-	-	2	44	
South Dakota.....	2	-	-	5	3	4	-	1	2	3	2	66	
Nebraska.....	-	-	5	19	-	-	-	-	-	-	2	23	
Kansas.....	NN	-	6	8	16	1	-	1	-	8	-	14	
SOUTH ATLANTIC.....	296	7	346	279	486	305	-	42	-	18	13	332	
Delaware.....	6	2	6	2	14	7	-	-	-	-	-	-	
Maryland.....	20	-	23	43	90	-	-	3	-	-	-	-	
Dist. of Columbia.....	-	2	12	4	6	-	-	-	-	-	-	-	
Virginia.....	109	1	39	67	140	96	-	5	-	4	-	191	
West Virginia.....	94	-	24	13	112	86	-	1	-	-	1	23	
North Carolina.....	8	2	59	50	5	10	-	12	-	4	1	4	
South Carolina.....	13	-	48	13	24	10	-	3	-	-	-	1	
Georgia.....	-	-	44	22	1	3	-	1	-	10	8	66	
Florida.....	46	-	91	65	94	93	-	17	-	-	3	47	
EAST SOUTH CENTRAL.....	444	2	141	113	626	621	-	15	-	19	10	318	
Kentucky.....	17	-	46	25	33	73	-	2	-	1	1	44	
Tennessee.....	280	1	47	49	559	535	-	8	-	12	9	260	
Alabama.....	131	-	30	21	24	12	-	4	-	3	-	14	
Mississippi.....	16	1	18	18	10	1	-	1	-	3	-	-	
WEST SOUTH CENTRAL.....	414	5	144	146	289	506	2	13	4	48	11	360	
Arkansas.....	1	1	17	9	1	1	1	4	4	28	1	89	
Louisiana.....	-	1	100	59	4	2	-	3	-	1	-	31	
Oklahoma.....	39	1	6	29	60	4	-	-	-	16	3	60	
Texas.....	374	2	21	49	224	499	1	6	-	3	7	180	
MOUNTAIN.....	339	2	57	52	715	676	-	4	3	24	3	86	
Montana.....	49	-	-	3	4	18	-	-	3	14	-	-	
Idaho.....	32	-	3	4	32	42	-	-	-	-	-	-	
Wyoming.....	-	-	3	4	1	5	-	1	-	4	-	-	
Colorado.....	60	-	11	12	376	260	-	-	-	-	1	5	
New Mexico.....	26	-	22	4	67	164	-	1	-	-	-	39	
Arizona.....	91	1	4	8	122	105	-	1	-	-	2	41	
Utah.....	81	1	6	14	113	82	-	1	-	6	-	-	
Nevada.....	-	-	8	3	-	-	-	-	-	-	-	1	
PACIFIC.....	824	9	322	266	606	495	-	13	-	-	4	157	
Washington.....	70	-	25	19	74	63	-	1	-	-	-	-	
Oregon.....	283	-	18	17	11	8	-	-	-	-	1	3	
California.....	465	9	264	216	512	404	-	11	-	-	3	154	
Alaska.....	6	-	6	7	9	12	-	-	-	-	-	-	
Hawaii.....	---	---	9	7	8	---	---	1	---	---	---	---	
Puerto Rico	137	-	23	5	17	7	2	42	-	-	1	14	

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending				
	6/13	6/20	6/27	7/4		6/13	6/20	6/27	7/4	
<b>NEW ENGLAND:</b>										
Boston, Mass.....	20	14	10	14	SOUTH ATLANTIC:	Atlanta, Ga.....	5	14	8	22
Bridgeport, Conn.....	-	3	2	2		Baltimore, Md.....	15	13	16	10
Cambridge, Mass.....	-	-	2	-		Charlotte, N.C.....	1	3	1	1
Fall River, Mass.....	1	1	-	-		Jacksonville, Fla.....	2	5	5	8
Hartford, Conn.....	4	4	5	5		Miami, Fla.....	1	9	5	4
Lowell, Mass.....	1	-	1	3		Norfolk, Va.....	9	5	4	4
Lynn, Mass.....	1	1	2	-		Richmond, Va.....	8	2	3	10
New Bedford, Mass.....	1	-	2	1		Savannah, Ga.....	2	1	2	3
New Haven, Conn.....	2	2	3	-		St. Petersburg, Fla.....	2	2	1	2
Providence, R.I.....	5	3	4	4		Tampa, Fla.....	2	3	2	7
Somerville, Mass.....	-	-	1	-		Washington, D.C.....	12	15	7	13
Springfield, Mass.....	4	1	1	1		Wilmington, Del.....	1	4	2	6
Waterbury, Conn.....	1	1	3	2						
Worcester, Mass.....	2	1	5	-						
<b>MIDDLE ATLANTIC:</b>										
Albany, N.Y.....	-	2	5	1	EAST SOUTH CENTRAL:	Birmingham, Ala.....	1	4	10	2
Allentown, Pa.....	4	3	2	1		Chattanooga, Tenn.....	6	6	2	1
Buffalo, N.Y.....	9	10	9	5		Knoxville, Tenn.....	3	2	2	1
Camden, N.J.....	3	1	2	2		Louisville, Ky.....	6	3	9	20
Elizabeth, N.J.....	5	3	2	1		Memphis, Tenn.....	10	12	14	11
Erie, Pa.....	4	3	1	2		Mobile, Ala.....	2	2	5	1
Jersey City, N.J.....	1	6	6	4		Montgomery, Ala.....	1	3	1	2
Newark, N.J.....	6	5	26	9		Nashville, Tenn.....	5	1	6	2
New York City, N.Y.....	80	87	81	78	WEST SOUTH CENTRAL:	Austin, Tex.....	-	4	1	5
Paterson, N.J.....	2	1	2	3		Baton Rouge, La.....	2	2	2	3
Philadelphia, Pa.....	16	15	23	57		Corpus Christi, Tex.....	4	1	3	1
Pittsburgh, Pa.....	12	12	6	5		Dallas, Tex.....	13	13	21	6
Reading, Pa.....	2	2	1	2		El Paso, Tex.....	5	3	4	3
Rochester, N.Y.....	5	6	6	5		Fort Worth, Tex.....	5	4	6	5
Schenectady, N.Y.....	1	-	-	1		Houston, Tex.....	11	13	8	7
Scranton, Pa.....	1	-	3	2		Little Rock, Ark.....	6	-	1	5
Syracuse, N.Y.....	5	5	2	3		New Orleans, La.....	24	10	20	17
Trenton, N.J.....	1	5	1	4		Oklahoma City, Okla.....	8	7	5	7
Utica, N.Y.....	1	2	2	-		San Antonio, Tex.....	6	9	9	9
Yonkers, N.Y.....	2	5	4	1		Shreveport, La.....	3	8	2	4
<b>EAST NORTH CENTRAL:</b>										
Akron, Ohio.....	3	4	6	3		Tulsa, Okla.....	3	2	3	3
Canton, Ohio.....	2	2	2	-	MOUNTAIN:	Albuquerque, N. Mex.....	4	6	1	-
Chicago, Ill.....	52	39	34	42		Colorado Springs, Colo.....	-	1	-	-
Cincinnati, Ohio.....	9	7	6	8		Denver, Colo.....	2	9	7	16
Cleveland, Ohio.....	7	17	6	12*		Ogden, Utah.....	2	1	1	1
Columbus, Ohio.....	6	10	5	7		Phoenix, Ariz.....	7	8	1	6
Dayton, Ohio.....	5	3	8	3		Pueblo, Colo.....	2	1	1	1
Detroit, Mich.....	36	16	16	17		Salt Lake City, Utah.....	5	2	5	1
Evansville, Ind.....	-	2	3	2		Tucson, Ariz.....	5	5	1	2
Flint, Mich.....	3	5	4	4	PACIFIC:	Berkeley, Calif.....	2	-	2	1
Fort Wayne, Ind.....	4	4	2	2*		Fresno, Calif.....	6	8	9	3
Gary, Ind.....	3	7	2	3		Glendale, Calif.....	2	3	-	2
Grand Rapids, Mich.....	4	3	2	2		Honolulu, Hawaii.....	5	6	3	5
Indianapolis, Ind.....	8	11	6	11		Long Beach, Calif.....	2	4	3	5
Madison, Wis.....	7	2	3	2		Los Angeles, Calif.....	44	31	43	23
Milwaukee, Wis.....	7	8	7	6		Oakland, Calif.....	2	10	8	4
Peoria, Ill.....	6	-	-	2		Pasadena, Calif.....	-	-	-	2
Rockford, Ill.....	2	2	-	1		Portland, Oreg.....	5	4	10	8
South Bend, Ind.....	7	-	4	2		Sacramento, Calif.....	7	2	1	3
Toledo, Ohio.....	3	3	6	7		San Diego, Calif.....	10	2	11	7
Youngstown, Ohio.....	5	1	2	2		San Francisco, Calif.....	7	7	6	15
<b>WEST NORTH CENTRAL:</b>										
Des Moines, Iowa.....	4	3	2	1		San Jose, Calif.....	4	1	2	-
Duluth, Minn.....	-	-	1	-		Seattle, Wash.....	9	7	9	4
Kansas City, Kans.....	3	10	4	3		Spokane, Wash.....	5	2	4	3
Kansas City, Mo.....	10	6	5	6		Tacoma, Wash.....	3	1	2	-
Lincoln, Nebr.....	-	2	2	3		San Juan, P.R.....	(---)	(---)	(---)	(---)
Minneapolis, Minn.....	5	10	10	7						
Omaha, Nebr.....	5	6	1	5						
St. Louis, Mo.....	7	15	13	16						
St. Paul, Minn.....	4	4	4	6						
Wichita, Kans.....	3	5	4	2						

\*Estimate - based on average percent of divisional total.  
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 10,545  
 4(B) Pneumonia-Influenza Deaths, all ages..... 369  
 4(C) Total Deaths under 1 Year of Age..... 685  
 4(D) Total Deaths, Persons 65 years and over..... 5,950



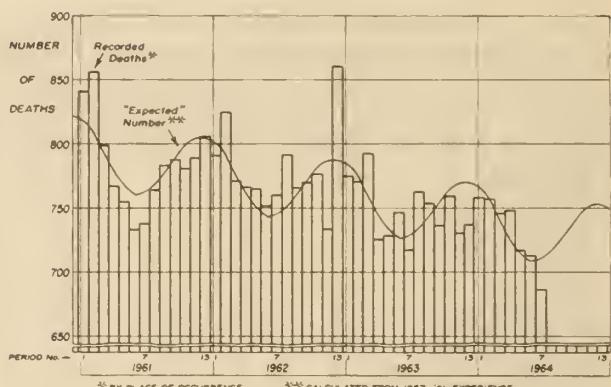
## INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending July 4 was 686 as compared with an expected 712 weekly average.

	Week Ending				4 Week Total	Weekly Average
	6/13	6/20	6/27	7/4		
Observed	704	673	680	685	2,742	686
Expected	710	711	712	713	2,846	712
Excess	-6	-38	-32	-28	-104	-26

## DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES

Average Number per Week by Four-Week Periods



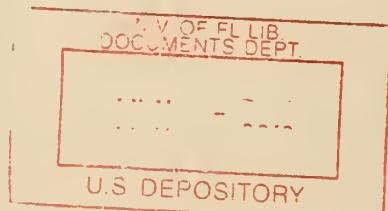
(See Table, page 239)

## YELLOW FEVER - Uganda

One confirmed fatal case of jungle yellow fever was reported from Mengo District (Buganda Province), Uganda in a patient who died on May 10.

This is the first case of human yellow fever reported in an East African country in more than 10 years. The last case in Uganda was reported from another Province in 1952.

(*Weekly Epidemiological Record, WHO, June 12, 1964.*)



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NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: -- DATA NOT AVAILABLE  
\* QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.